KABARAK **UNIVERSITY**

UNIVERSITY EXAMINATIONS
2009/2010 ACADEMIC YEAR
FOR THE DEGREE OF BACHELOR OF BUSINESS MANAGEMENT & INFORMATION TECHNOLOGY

COURSE CODE: BMIT 126

COURSE TITLE: BUSINESS APPLICATION SOFTWARE

STREAM: Y1S2

DAY: FRIDAY

TIME: 3.00 – 6.00 P.M.

DATE: 13/08/2010

INSTRUCTIONS:

➢ Answer Question **ONE** and any other **THREE**

PLEASE TURNOVER

QUESTION ONE: (40 Marks)

a) Define the following terms.
  i. Application [2 Marks]
  ii. Object [2 Marks]
  iii. IDE [2 Marks]

b) Fill the following table to describe the controls listed. [6 Marks]

Control	Description
Pointer	Provides a way to move and resize the controls form
PictureBox	
TextBox	
Frame	
CommandButton	
ListBox	
ComboBox	

c) Differentiate between the following terms
  i. CheckBox and OptionButton. [2 Marks]
  ii. Menu Bar and status bar. [2 Marks]
d) Describe all steps of writing Visual Basic project. [4 ½ Marks]
e) What is a variable? Describe how to declare and initialize variables. [3 Marks]
f) List and explain any three types of errors in programming. [4 ½ Marks]
g) Using the steps of writing Visual Basicprojects, design a user interface with four label boxes, four textboxes and three commands to compute the Cost of Goods Sold by Erisob Supplies Ltd. Write the basic code for this program. [6 Marks]
h) Draw a flowchart for question ONE (g) above. [4 Marks]
i) Describe the If….Then….Else Selection structure with an example. [2 Marks]

QUESTION TWO: (20 Marks)

a) What is a data type? List and explain any four data types in Visual Basic. [5 Marks]
b) Given a right angled triangle with sides A and B measuring 12 and 10 meters, design an interface and write the code to calculate the hypotenuse. [5 Marks]
c) Study the application shown below.

Object	Property	Setting
Form	Caption	MessageBoxDemo
	Name	frmMessageBoxDemo
Label	Caption	lblName
	Name	Name
TextBox	Name	txtName
	Text	(empty)

ListBox	Name	lstName
CommandButton	Caption	Add
	Name	cmdAdd
CommandButton	Caption	Delete
	Name	cmdDelete
CommandButton	Caption	Exit
	Name	cmdExit

Required:

i. Design the application as shown.   [4 Marks]
ii. Write the code for the same to illustrate the use of message box.
               [6 Marks]

QUESTION THREE: (20 Marks)

a) Write a program that will input the users name and password. Validate the code in that it will display the message if a blank textbox has been left or if wrong values are input.
               [6 Marks]
b) Set the properties for the above question.   [4 Marks]
c) Describe the naming conventions that are widely used in the programming world.
               [4 Marks]
d) Explain how you can improve the user interface.   [4 Marks]
e) What is an operator? List the three classes of operators that are used in programming.
               [2 Marks]

QUESTION FOUR: (20 Marks)

a) Describe the following basic functions that work with strings   [6 Marks]
b) Describe how you can format numbers, dates, and times.   [6 Marks]

c) Describe the 3 properties to work with a **block of selected text** in the control when manipulating blocks of text.   [6 Marks]
d) Differentiate between Graphics and Multimedia.   [2 Marks]

QUESTION FIVE. (20 Marks)

a) Define a keyword.   [1 Mark]
b) List any ten (10) keywords in Visual Basic.   [5 Marks]
c) Write the basic code to input Principle amount, Rate of Interest, Time taken to compute the Simple Interest. Draw a flowchart.   [7 Marks]
d) Describe the process of inserting the multimedia control in a Visual Basic project.
                                                                          [4 Marks]
e) Describe the various logical operators in programming.   [3 Marks]